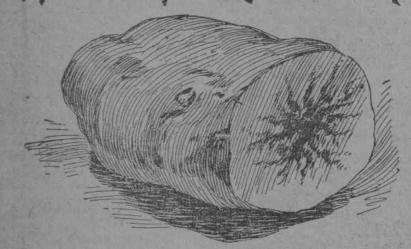
THE WHOLE WORLD ENDANGERED BY NEW YORK CIGY SCIENTISTS.



A Million Deadly Germs Are Growing, Carefully Nursed by Scientists, in This Potato.

(From a photograph made especially for the Journal.

DEADCY GERMS IN INCREDIBLE NUMBERS CAREFUCCY QUETI-VAGED IN COGAC CAB-ORAGORIES.

Pure Culture, December 19, 1895, loard a Sixth avenue elevated train at Fourteenth street, get off at Eighty-first reet, stroll thence to the reservoir in Central Park, scale the Iron fence around t, pour the contents of the vial into the vater, and, in twelve hours, infect every man, woman and child on Manhattan Isl and with the earth's most dreadful dis use. In forty-eight hours Gotham would

be a city of the dead. Or, if Professor T. Mitchell Pruden, di or of the laboratory of the College Physicians and Surgeons, should fall strike his head upon the big brass ender in front of the large open fireplace n his private office, thereby causing a de rangement of his power to discriminate ween right and wrong, he could pick up a tube containing agar-agar, or Japanese felly, on which a million and a quarter phus fever germs are growing, walk to of Fifth evenue and Twenty-

all the acilli in the air Madison Square, and start an epidemic th would sweep every human life from metropolis, and at the same time greatcopardize the inhabitants of all neigh-

thing would be easier than for Proor Francis Delafield, who is Professor Pruden's collengue, to be stricken with an attack of paranoin, with its usual deluof persecution, and immediately imagine that everybody in New York was his eff-defence he might, some night, enter one of the crowded theatres of New York and, from a commanding position in the gallery, sprinkle a thimbleful of diphtheria sellli over the audience, and thus make ne terrible disease epidemic in the city, ng the speedy death of the entire pop-

Professor B. Abbott Lindsey, bacteriologist of the New York Post Graduate Hospital and Medical School, has a strong nind, but even his powerful brain might succumb to some sudden shock. In such an event, there would be nothing to prevent him from loading a squirt-gun with purulent ophthalmia germs, visiting the public schools of the city, and, while delivering lectures to the pupils, secretly discharge the microbes into the air, and so destroy within four hours the eyes of every child

Dr. Ezra Wilson, the bacteriologist of the Brooklyn Department of Health, at present has on hand a very large collection of farcy, or glanders, germs. He rides all over that city in the trolley cars, and, if he should ever become a victim of a spirit of maniacal mailclous mischlef, he could. while travelling about town, free the contents of four or five culture tubes containing farcy bacilli in enormous numbers. He could thus start an epidemic of that disease which is the most contagious known to the medical profession. A horse afflicted with it is killed and cremated imme-

Professor William Nathan Belcher, while reating surgical cases at his clinic in the Long Island College Hospital, could, if suffering at the time from some derangement of the pervous system, inoculate his patients with bacilli of anthrax or malignant pustule, which is a disease that usually tills in from three to seven days.

Dr. Vincent Gomez, visiting ophthalmola mania giving rise to a desire to exterminhundred sufferers from eye diseases every day, and there would be nothing to preeye of each patient germs of crysipelas, which would not only kill all of the per-

necessarily approximate, but they have been made as exact as possible. The rethe onset of the disease there is rapid to prevent germs from flying back and killsuits given below must attract all the attention they deserve.

Swelling of the lids, with a copious secretion, at first of a watery nature and their enemies. Microbe warfare thus might be a beomerang. But, at any rate, it would be a beomerang. But, at any rate, it would be a beomerang. pared list of the numbers of germs of sembling cream. This secretion accumu- stop war. It would kill all the fighters. various virulent diseases now in the lab. lates between the lids in great abundance. All of these germs are bred by the bac oratories of New York and Brooklyn, to- flows from the eye and, due to its irritat- teriologists for experimental and educarether with the numbers of tubes and other ressels in which they are confined:

Diseases.

Tubes.

Germs.

Consumption

Gasso Storms.

Consumption

Consumption

Consumption

Consumption

Consumption

Consumption

Consumption

Consumption

Consumption

comes its victim.

promptly attended to is dangerous to life, because the pus travels backward to the brain. So it can be seen that in time of lutely essential to germ culture and to the Totals....... 83,160 103,280,000,000 war, when it is impossible to get enough three billion nine hundred and fifty millions of germs, be it remembered, is capable of causing disease, and two-thirds of them are malignant, and necessarily wanted and fifty millions of germs, be it remembered, is capable of causing disease, and two-thirds of them are malignant, and necessarily wanted and fed in five different ways—on potatoes, in agar-agar

Hanough death is bottled up in New York and Brooklyn to wipe out the population of the world.

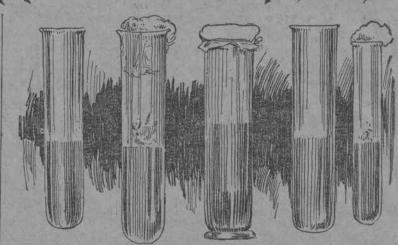
This terrile force for evil is in the hands of a few men, who have produced it in the crusto of the freeze thanks of a few men, who have produced it in the crusto of the greats the first in the creation of the greats the accordance, but these germs.

There might be also a section of sharp-shooter who would tru, when in action, to form a semiciral about the enemy. Bach hands of a few men, who have produced it in the crustomed it in the crustomed of the freeze the first trust trust the first trust trus are malignant, and necessarily would cause There might be also a section of sharp- (Japanese jelly), gelatine, bouilion and

process of the glassy portion of the oye, which is very essential to good vision. This portion ulcerates and the pus penetrates into the interior of the globe, thereby producing an inflammation of all the dissues that form part of the eye. It can be seen from this brief description of so But for bacteriology the ordinary general seen from this brief description of so practitioner, to say nothing of the special-culent a disease that it does not take practitioner, to say nothing of the special-ist, would be ignorant of meladies which in the dark ages of medicine killed men

like sheep-cholera, for instance. throwing explosive shells into the British as much care as the most difficult of surgivar vessels as they approach Sandy Hook.

Let one shell burst on the deck of each crobes and bacilli has been reduced to an crobes and bacilli has been reduced to an Germ culture, therefore, is practised with Let one shell burst on the deck of cach ship, and long before the fleet reaches Quarantine every man on board will be stone blind. Not only this, but every case of purulent ophthalmia not properly and other purulent to the most minute decrease.



Death for Thousands Might Come Out of These Glass "Culture Tubes."

(From a photograph made especially for the Journal.

GRAZY DOGGOR GOULD KILL EVERY MAN, WOMAN AND CHILD FOR MILES AROUND IN A FEW HOURS.

the surface of the agar-agar, but the inoculating needle is thrust deep into the

City is that in the laboratory of the Board of Health. The bacteriologists of the board use principally solid germ n their thriving farm, and each tube congerms, making a total of 12,500,000,000.

cal Department of Columbia College.

cine, the New York Polyclinic and the New York Post-Graduate Hospital and Medical School, are well supplied with germs. In the laboratory of each there is room for sixty men to work at once. Each of them has about ten billions of germs, and, as they are instructive institutions, their collections of both germs and food | edla are omprehensive. They have been unlucky in the matter of mortality. Not a few stu-dents have contracted consumption by inhaling the germs of that disease, and several deaths in consequence thereof have been reported. These accidents are due to the clumsiness of the students in handling the bacteria, few, if any of them, being

York Eye and Ear Infirmary has the best farm of microbes and bacilli that invade the eye. The Manhattan Eye and Ear Hospital, being a much smaller institution, does not go into germ culture onehalf so extensively as the New York, which is the largest hospital of its kind in the world.

It is not generally known that the disease called "granular lids" is one of the most contagious of eye disenses and that it is undoubtedly caused by some microorganism. The virus taken from granular ilds of a human patient and placed upon those of a rabbit or guinea pig will, nine times out of ten inoculations, give rise to

Another very contagious disease, and which destroys the eye sometimes in five or six hours, is a malady known as purulent ophthalmia, which is due to a microbe. The transmission of it is usually by means of towels, handkerchiefs, etc. Hence from this it can be seen how dangerous it is to use towels that are placed in public

The most important germ farm in Brooklyn is to be found in the Hoagland labora-

Second only to the Hongland is the germ farm of the Board of Health. Dr. Ezra Wilson is at the head of the department of bacteriology, and he is an enthusiastic investigator. At this writing Dr. Wilson has an enormous collection of microbes of farcy, and the investigations of horses affected with glanders are carried

ogist to the Workhouse and Almshouse Hospitals on Blackwell's Island, is one of the best known eye and ear surgeons in New York City, and is noted for steadiness of his brain and hand, but, nevertheless, he might some day he suddenly selzed with ate his fellow men. He sees nearly two vent him, if he wished, from placing in the sons upon whom he might perform the

A Crazy Scientist Could Pour the Contents of One Vial into the Central Park Reservoir and Kill the Whole City.

(Sketched by a Journal staff artist.)

The biggest germ farm in New York

agar-agar and gelatine. Therefore most of their microbes and bacilli are brought up in tubes. There are over 10,000 tubes tains about a million and a quarter of Next in importance to that of the Board of Health is the germ farm of the Col-

lege of Physicians and Surgeons, still known to the profession as the "P. & S.," although its legal name is now the Medi-The two schools for graduates in medi-

experts.

Though the laboratory of the New York Hospital is not one of the largest, it is, probably, the best equipped, for its head, Professor Farquhar Ferguson, is one of the best pathologists in the metropolis,

Among the special hospitals the New

the same disease in the animal.

tory, which is connected with the Long Island College Hospital.

out exhaustively with the aid of the vet-erinary surgeon of the department.

Third in order comes Seney Hospital, the Methodist Episcopal institution, of which Professor William Nathan Belcher is the

Other hospitals with flourishing germ farms are St. Mary's Hospital, the Brooklyn City Hospital, and St. Catharine's. The Brooklyn Pathological Society, too, is bringing up a fine family of bacteria, as is also the Brooklyn Microscopical So-

asses upon whom be might perform the gleathers. But destroys the lites of him destroys the lites